

CLAIMS

What is claimed is:

1. A post shore and decking system used to support sheets on which cement compositions can be poured, comprising:

5 (a) a plurality of hollow, celtic cross shaped main legs, each main leg has an inside wall and an outside wall, a lengthwise outward extending channel is integrally attached to each said leg, said channel is U-shaped and has opposed side walls and a front wall, a plurality of aligned holes are located in said channel side walls, said channel front wall has a plurality of holes located therethrough, located opposite said channel is a foot that extends lengthwise, opposed flat projections are located on said outside wall of each said main leg, said projections extend lengthwise and are perpendicular to said channel, said projections have a plurality of aligned holes;

15 (b) a plurality of non-symmetrical extension leg members, said extension leg member is slideably received by said main leg, with said leg extension member contacting said main leg inside wall, said extension leg member has an outside surface and an inside surface, with said outside surface having two pair of opposed substantially flat projections, which are received by said main leg inside wall, said projections are located at 90° intervals on said extension leg member and are integral with said extension leg member, one set of said projections have a plurality of aligned holes, which can be aligned with said main leg flat projection holes;

20 (c) a plurality of outside legs, each said outside leg has a celtic cross shape, an inside wall, and an outside wall, with said outside leg designed to slide over said main leg

outside wall, said outside leg has a pair of opposed channels and a pair of opposed projections, said outside leg has a plurality of aligned holes located on said outside leg flat projection, said outside leg includes said channel located opposite said main leg channel when said outside leg is positioned over said main leg;

5 (d) a plurality of drophead members, each comprised of a tube having at least one set of aligned holes, said tube is received by said extension leg, whereby holes in said drophead tube align with holes in said extension leg, allowing a pin member to pass therethrough and hold said drophead in contact with said extension leg, said drophead has a square shaped platform member located opposite said drophead bottom, located between said platform and bottom is a member for holding a ledger;

(e) a plurality of screw collar members, said screw collar is removably received and attached to said main leg, said screw collar is removably attached to said extension leg member, said screw collar is formed from a nut member and threaded bolt member so that when said nut member is moved on said bolt member, said extension leg is moved relative to said main leg;

15 (f) a plurality of ledger members, each said ledger member is received and held by said drophead, said ledger is comprised of opposed ends and a top and bottom, said ledger has a pair of parallel channels attached to said bottom and a pair of parallel channels attached to said top, a pair of opposed catches are located on each end;

20 (g) a plurality of joist members, each joist member is comprised of a beam and a pair of opposed ledger catches located on each end of said beam, said joist member is receivably held by a pair of said ledger members; and,

(h) a plurality of frame members, which are removably attached to said main leg or outside leg channel members.

2. The system of Claim 1 wherein said system includes a base plate comprising a square plate having a vertically extending member integrally attached thereto, said base plate receives and holds said main leg.

3. The system of Claim 1 wherein said system includes a leg connector, said connector has a tubular construction, with a perpendicular plate located near said connector's middle, attached to said plate is a pair of opposed tabs, each having a hole, said tabs are received by said main leg channel, so that said tab holes and channel side wall holes are aligned and a pin can pass therethrough.

4. The system of Claim 1 wherein said system includes a plurality of sheet members, which are placed on top of said joist members.

5. A post shore and decking system used to support sheets on which cement compositions can be poured, comprising:

- (a) a post shore, wherein said post shore includes a main leg having a channel member, whereby said main leg is non-symmetrical, and has an inside wall and an outside wall;
- (b) a drophead member received and removably held by said post shore; and,
- (c) a ledger member having opposed ledger catches, which can be received and held by said drophead, with said ledger having more than one channel.

6. The post shore and decking system of Claim 5, wherein said main leg is of a celtic cross shape, with said channel member integrally attached to said leg, said channel is U-shaped, and said leg has a foot with a flat outer wall located opposite said channel, and two opposed flat projections located on said leg outer wall and perpendicular to said channel and said foot, a plurality of aligned holes pass through said flat projections.

7. The post shore and decking system of Claim 6, wherein said channel member comprises a pair of opposed side walls and a front wall, with said side walls having a plurality of aligned holes passing therethrough, and said front wall has a plurality of holes passing therethrough.

8. The post shore and decking system of Claim 5, wherein said post shore comprises a non-symmetrical extension leg member, removably attached to and slideably received by said main leg inside wall, said extension leg member has a plurality of aligned holes, whereby pin means can be passed through said aligned holes of said projections to hold said extension leg in contact with said main leg.

9. The post shore and decking system of Claim 5, wherein said post shore comprise a non-symmetrical outside leg attached to and slideably received by said main leg.

10. The post shore and decking system of Claim 9, wherein said outside leg has an inside wall, an outside wall, and a channel member, with a pair of opposed flat projections located on said outside leg's outer wall, said outside leg has a plurality of aligned holes passing through said flat projections.

11. The post shore and decking system of Claim 7, wherein said channel member includes means for receiving and holding a nut, with said means located on inside walls of said channel member side walls.

12. The post shore and decking system of Claim 10, wherein said outside leg channel member includes means for receiving and holding a nut.

13. The post shore and decking system of Claim 5, whereby said system comprises a joist member having a beam with opposed ends and a ledger catch attached to each end, said joist member is received and held by said ledger member.

15 14. The post shore and decking system of Claim 5, wherein said ledger member has a top and a bottom, with said top having two parallel channels and said bottom having two parallel channels.

20 15. The post shore and decking system of Claim 14, said ledger member is beveled inward away from said channels to form a waist, with said waist occupying less than a 1/3 of said ledger's total width.

16. The post shore and decking system of Claim 5, wherein said system includes a plurality of frame members removably attached to said channel member without welded components.

17. The post shore and decking system of Claim 5, wherein said system includes a 5 removable screw collar for moving said extension leg member relative to said main leg.

18. The post shore and decking system of Claim 16, wherein said frame members are removably attached to said channel member by a screw member passing through said channel side wall holes.

19. The post shore and decking system of Claim 16, wherein said frame members are removably attached to said channel member by a screw member passing through said channel member front wall, with said screw member held by a nut held in said means for holding a nut.

20. A post shore and decking system used to support sheets on which cement compositions can be poured, comprising:

- (a) a main leg that has a channel member and is non-symmetrical, said main leg includes an inside wall and an outside wall; and,
- 5 (b) a ledger member having more than one channel and opposed ledger catches.

21. A post shore and decking system used to support sheets on which cement compositions can be poured, comprising:

- (a) a main leg having a channel member, whereby said main leg is non-symmetrical, and has an inside wall and an outside wall;
- 5 (b) a drophead member received and removably held by said leg; and,
- (c) a ledger member having opposed ledger catches, which can be received and held by said drophead, with said ledger having more than one channel.

22. A leg for use in a post shore and decking system comprising a channel that extends lengthwise along said leg, said channel has a plurality of holes.

23. The leg of Claim 22, wherein said leg is of a celtic cross shape with said leg having an inside wall, an outside wall, and a U-shaped channel, a foot with a flat outer wall is located opposite said channel, and two opposed flat projections perpendicular to said channel and said foot are located on said outside wall.

24. The leg of Claim 22, wherein said channel member has a pair of opposed side walls and a front wall, with said side walls having a plurality of aligned holes passing therethrough, and said front wall has a plurality of holes passing therethrough.

25. The leg of Claim 22, wherein said leg is non-symmetrical.

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26. A ledger for use in a post shore and decking system comprising a pair of opposed ledger catches, a top and a bottom, with said top having a pair of parallel channels, and said bottom having a pair of parallel channels.
27. The ledger of Claim 26, wherein said ledger member is beveled inward away from said channels to form a waist, with said waist occupying less than a 1/3 of said ledger's total width.

28. A post shore and decking system used to support sheets on which cement compositions can be poured, wherein said system comprises:

(a) a hollow, celtic cross shaped main leg, said main leg has an inside wall and an outside wall, a lengthwise outward extending channel is integrally attached to each said leg, said channel is U-shaped and has opposed side walls and a front wall, a plurality of aligned holes are located in said channel side walls, said channel front wall has a plurality of holes located therethrough, located opposite said channel is a foot that extends lengthwise, opposed flat projections are located on said outside wall of each said main leg, said projections extend lengthwise and are perpendicular to said channel, said projections have a plurality of aligned holes;

(b) a non-symmetrical extension leg member, said extension leg member is slideably received by said main leg, with said extension leg member contacting said main leg inside wall, said extension leg member has an outside surface and an inside surface, with said outside surface having two pair of opposed substantially flat projections, which are received by said main leg inside wall, said flat projections are located at 90° intervals on said extension leg member and are integral with said extension leg member, one set of said flat projections have a plurality of aligned holes, which can be aligned with said main leg flat projection holes;

(c) an outside leg, whereby said outside leg has a celtic cross shape, an inside wall, and an outside wall, with said outside leg designed to slide over said main leg outside wall, said outside leg has a pair of opposed channels and a pair of opposed flat projections, said outside leg has a plurality of aligned holes located on said outside leg

flat projections, said outside leg includes said channel located opposite said main leg channel when said outside leg is positioned over said main leg;

5 (d) a drophead member comprised of a tube having at least one set of aligned holes, said tube is received by said extension leg, whereby holes in said drophead tube align with holes in said extension leg, allowing a pin member to pass therethrough and hold said drophead in contact with said extension leg, said drophead has a square shaped platform member located opposite said drophead bottom, located between said platform and bottom is a member for holding a ledger;

(e) a screw collar member, said screw collar is removably received and attached to said main leg, said screw collar is removably attached to said extension leg member, said screw collar is formed from a nut member and threaded bolt member so that when said nut member is moved on said bolt member, said extension leg is moved relative to said main leg;

15 (f) a ledger member, said ledger member is received and held by said drophead, said ledger is comprised of opposed ends and a top and bottom, said ledger has a pair of parallel channels attached to said bottom and a pair of parallel channels attached to said top, a pair of opposed catches are located on each end;

20 (g) a joist member, said joist member is comprised of a beam and a pair of opposed ledger catches located on each end of said beam, said joist member is receivably held by a pair of said ledger members; and,

(h) a frame member, removably attached to said main leg, or outside leg, channel member.